



Administrators Manual

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1. First Look

1.1 Understanding the control panel

If you have just logged into your control panel it might look something like this.

The User Control panel is what you and your customers first see upon successfully logging into the control panel.

This interface will display nearly all aspects of the users account in one page.

For administration purposes, you will hover your cursor over the “Admin” link to see a dropdown menu of quick access links.



For more detailed control you will want to click on the “Admin” link itself. This will launch an interface listing all available administrative controls.

1.2 Configuration

Before creating user and server accounts it is important to review the configuration, while the default settings will work fine for most users we recommend configuring the panel appropriately.

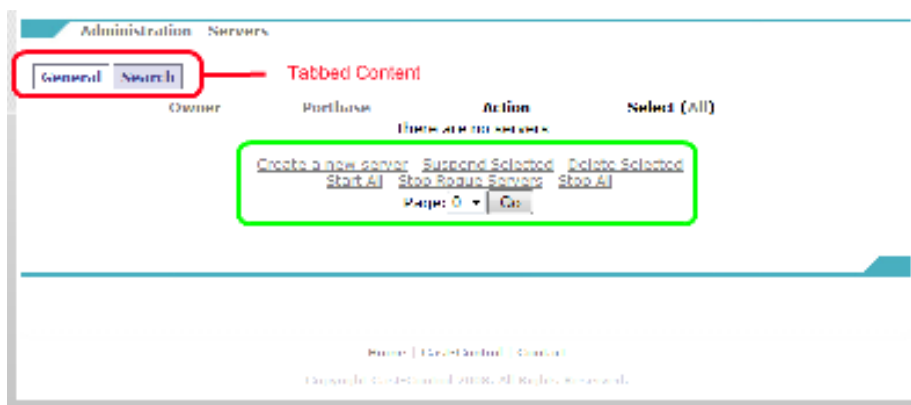
Review each specific setting under each tab, a detailed description should be made available in each available language.



1.3 Understanding the servers page

A first look of the Admin -> Server Management page will display no available servers, this of course would be due to a brand new install.

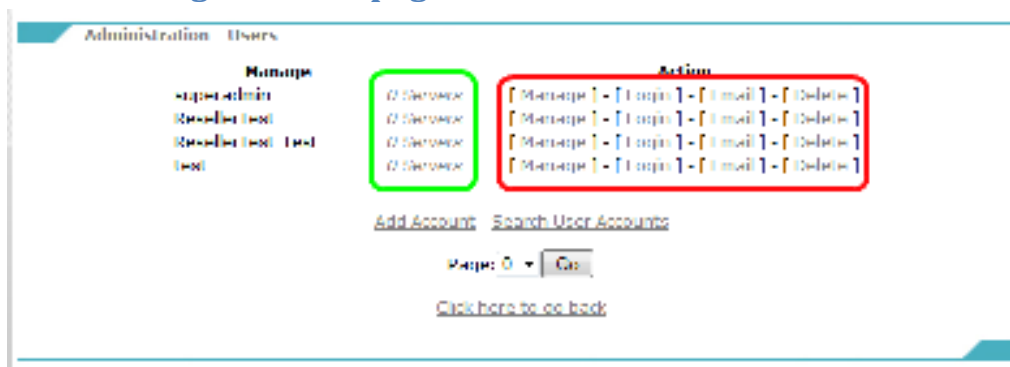
The interface displays two primary tabs that are available, those being “General” and “Search” as highlighted red in the diagram.



The “General” tab provides an interface to list and manage your shoutcast services while the “search” tab provides a quick and easily sort or selection of shoutcast services.

The contents of the green box highlight appropriate links to create, remove, and control your shoutcast services.

1.4 Understanding the users page



The diagram above demonstrates the User Management page which will list every single user account under your control panel.

Highlighted in red are quick tools relating to the user listed in the associated rows.

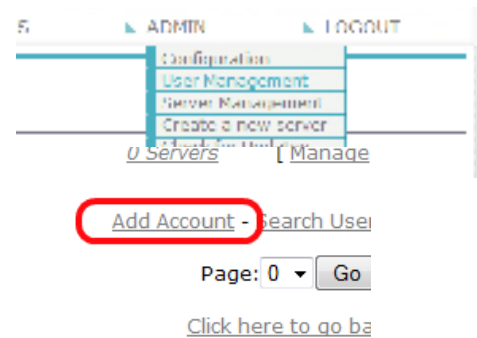
Selecting “Manage” will display an overview of the users complete account including user details, assigned servers, invoices and other details.

Highlighted in Green are direct links to listing services assigned to the users account.



1.4 Creating your first user account

1. Firstly navigate to “Admin” -> User Management as displayed in the diagram.



2. Select “Add Account” as shown in the following diagram.

3. The next interface will list all details associated with the users account, fill these out as appropriate, only the username, password, user level and email are critical at this stage.

1.5 Creating your first service

After creating a user account you will be prompted to follow a link to create a service for the user, do this. You will notice next to the owner field the name of the customer you have just created will be selected.

To create a quick service, the primary fields are listed on the general tab – all other tabs are additional features and settings available to the shoutcast server.



2. User Management

2.1 Managing a user account

Navigate to Admin -> User Management, find the user you specifically wish to manage and select “**Manage**”. You will see something similar to the following.

Administration - Users - Overview

Account Detail | Latest Invoices | Servers

Username: superadmin
Email: management@cast-control.net

Contact Number N/A

Account Credit: 239 AUD [Login as this user](#) - [Email this user](#)
[Modify Account Details](#)

Invoices Due: 0 **Active Servers:** 0
Invoices Paid: 6 **Suspended Servers:** 0

Last logged in as 192.168.0.251 (192.168.0.251) on 08 Apr 2009 03:04pm
Timezone: Australia/Sydney

From the account detail, you can view **Account Information, Latest Invoices or Servers** specific to the customer. This is the central control area for a specific customer.

2.2 Login as specific user

The **Login as User** feature allows an administrator to temporarily login to the customer’s account as if the customer had entered his own username and password.

It is impossible for the administrator to view the customer’s password and thus this feature can provide of great support for a customer.

When you login as a specific user your original authorisation as an administrator is stored within your session making it possible to click **logout** and be directed right back to your administration account.

2.3 Emailing or SMSing a user

From the user account overview it is also possible to email or even send an SMS to the specific user.

Select the link labelled “**Email this user**”, if you wish to send an SMS instead of an email tick the checkbox designated as such.



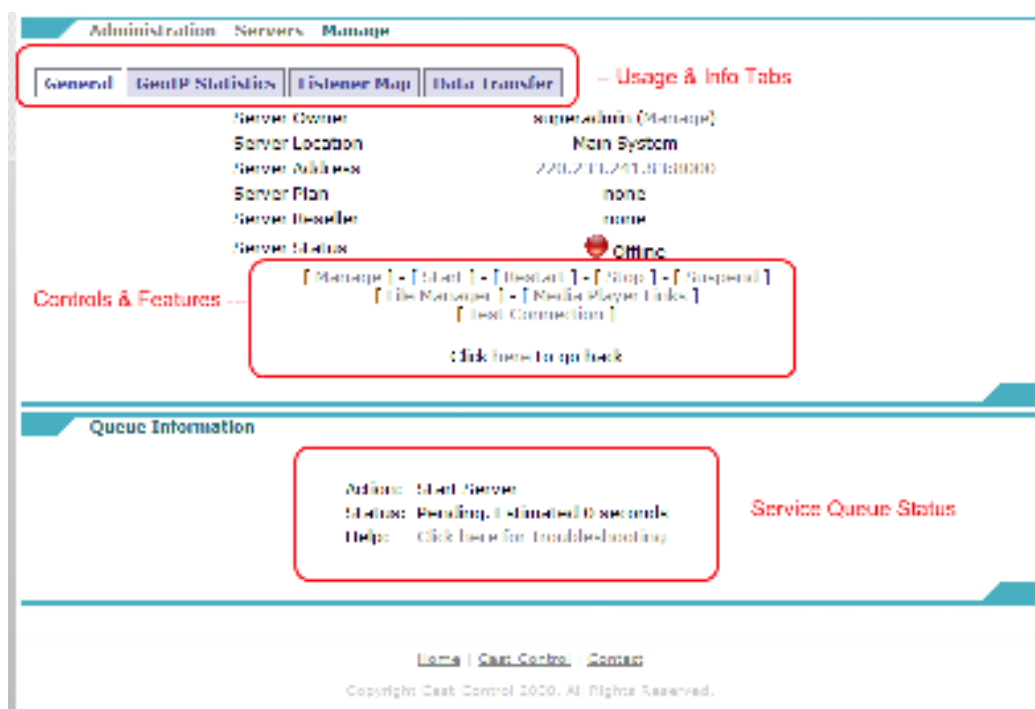
3. Service Management

3.1 Main Interface

The main service interface as show below includes much information, features and technical detail.

The diagram below illustrates the main functions of the page, the “Usage & Info Tabs” show information including Specific information regarding listeners , data transfer and traffic usage.

The **Queue Information** displays a time-based estimate of when your service action such as starting, stopping and deleting will be performed. This allows you time to reconsider your actions.



3.1.1 File Manager

The file manager provides an interface for customers to upload media files used for ondemand, intro & backup files as well as AutoDJ functionality (If supported by service).

3.1.2 Media Player Links

Media Player Links provides an interface for customers to copy & paste direct links to their stream via a number of different streaming client software.



3.2 Service Control

Services control functions such as Start, Stop, Suspend, Restart are all controlled via a cron job that executes each minute. This functionality allows you to reconsider and cancel actions if need be as well as scheduling times to control services.

3.3 Suspend & Unsuspend

It is possible for an administrator to suspend or unsuspend one or more services from the control panel for any period of time. When an action is performed, the customer will be emailed details of the suspension notice according to the email templates (explained in this document).

3.4 Bitrate, Traffic & Data Usage

Service Bitrates, Traffic & data usage are continuously measured and monitored throughout the control panel, limits can be configured from the service specific configuration page. These limits are enforced and the service will be suspended upon abuse.



3.5 AutoDJ

Most customers will stream data to the service through means of a client such as SAM Broadcaster, Winamp DSP Plugins or other available software. In the case a stream is unavailable it is possible to assign an AutoDJ service to a shoutcast service. The AutoDJ service will stream music uploaded and defined by the customer to the shoutcast instance.

3.5.1 Technical Considerations

It is important to note that our software utilises sc_trans version 1 which transcodes the uploaded mp3 files into the appropriate bitrate for the streaming service. It is even more important to understand the implications of such transcoding will utilise anywhere between 0% to 100% CPU Usage on high end CPU's – The reason behind this is due to decoding the mp3 file, reading the file and then re-encoding the file into the appropriate format.

3.5.2 Configuration

To configure AutoDJ to a specific service, you can do so from the service configuration under the "AutoDJ" tab as shown in the following diagram. For most users, setting the "Allow AutoDJ" option to "Enabled" and selecting a bitrate should be sufficient.

General	Static	Relay	Stream	AutoDJ	Misc.
Allow AutoDJ*	Enabled				▼
AutoDJ IP	default				
AutoDJ Bitrate*	24 kbps				▼
AutoDJ Quality*	Automatic (Bitrate Determined)				▼
AutoDJ Portbase	default				
AutoDJ Password	default				
AutoDJ Channels*	Mono				▼
AutoDJ Crossfade*	100/100->100/0				▼
AutoDJ Crossfade Length*	8000				
AutoDJ Quota* FTP Space in MB	30				
AutoDJ AIM	N/A				
AutoDJ ICQ	N/A				
AutoDJ IRC	N/A				

Tick to send [service welcome email](#)

Restart Service to apply changes



3.6 Expanding with Features

Cast-Control panel offers many features to the administrator and user, by default the majority of these are disabled. The reasoning behind this is so stream providers are able to choose and charge on a per feature basis, expanding your price flexibility.

Most features are enabled from the service configuration as shown below but will require additional configuration after enabled.

General	Static	Relay	Stream	AutoDJ	Misc.
Stream Authentication Support					
Allow Stream Authentication Control Manage					Disabled ▾
Messenger Control					
					Disabled ▾
Mail Played Songlist					
Mail a list of all played songs at the end of each day					Disabled ▾
Port 80 Proxy Support*					
					Disabled ▾

Once you enable these features you will notice a whole bunch of new links available under the service overview page specifically in my example below the “**Messenger Control Service**” and “**Stream Authentication**”.

Administration - Servers - Manage

General
GeoIP Statistics
Listener Map
Data Transfer

Server Owner	superadmin (Manage)
Server Location	Main System
Server Address	220.233.241.83:8000
Server Plan	none
Server Reseller	none
Server Status	● Offline

[\[Manage \]](#) - [\[Start \]](#) - [\[Restart \]](#) - [\[Stop \]](#) - [\[Suspend \]](#)
[\[File Manager \]](#) - [\[Media Player Links \]](#)
[\[Messenger Control Service \]](#) [\[Stream Authentication \]](#)

Click [here](#) to go back



4. Email Templates

All emails that are sent from cast-control shoutcast panel are configurable from the administration area. Navigate to **Administration** and select the **Email Templates** link halfway down the page.

This page will display each email that can be sent from cast-control and whether an SMS will be sent along with the email.

You can configure these templates by selecting **“Modify Template”**.

Within all input fields can be placed custom field data directly from the database, these fields are specific to the individual user account, shoutcast service or billing event. Copy and paste these fields into the email as desired and these fields can be used any number of times.

Administration - Email Templates - Modify

Email Name: account_newpassword
 Subject:

Email Content:
 {CCURL}index.php?page=login
 {SETTING[COMPANY]}
 {SETTING[SLOGAN]}"/>

Send SMS?: Tick this option to send a customised SMS message as well

SMS Content:

Fields: {SETTING[COMPANY]} {SETTING[CURRENCY]}
 {SETTING[MSN_USER]} {SETTING[SLOGAN]} {CCURL} {USERNAME}
 {USER_EMAIL} {CONTACT_NUMBER} {MOBILE_NUMBER} {NAME}
 {SURNAME} {ADDRESS} {COUNTRY} {STATE} {POSTALCODE}
 {AGE} {CURRENTIP} {LASTIP} {NEWPASSWORD}

[Click here to go back](#)



5. Billing Management

5.1 Configuration

Primary billing options such as the **Currency, Invoicing** and such are defined within **Administration - > Configuration**.

5.2 Payment Processors

Gateways make it possible for customers to purchase services instantly from the control panel.

Gateway specific options for processors such as Paypal, 2CheckOut ect are defined from **Administration -> Payment Processors**. Here you can install and remove processors safely, noting you can reinstall a processor at any time.

5.2.1 Paypal

The Paypal gateway is installed by default, this gateway requires your Paypal address is configured as Premium or Business usage. You should not be required to make changes to your Paypal account as the defaults work with our software.

5.2.2 Paypal Subscription

The Paypal subscription uses the same methods as the Paypal gateway however will create a subscription for the customer on a monthly basis where applicable.

5.2.3 2CheckOut

You must setup a generic product. Create it with a price of 0.00. Then use the integer id for your generic id here.

You should enter `http://YOUR-ORDER-PROFILE-PATH/modules/processor/2co-1.0.0-return.php` as your return url for all 2CO orders(one time and recurring). Go to the Site Settings section of your 2CO admin interface to do this.

2CheckOut does not allow to create recurring products dynamically. So all purchases will be processed as single sales. For all recurring products your clients will receive invoices at the end of an expiration period and will need to manually pay for them.

Be sure your site language does not violate 2CheckOut language rules:

http://sellers.2checkout.com/language_guidelines.html or your account activity may be suspended.

5.2.4 Bank Transfer

The Bank Transfer is a manual processor, once a customer completes a payment under this module you will receive an email from cast-control and be required to manually process the order.

5.2.5 Credit Card

The Credit Card is a manual processor, once a customer completes a payment under this module you will receive an email from cast-control and be required to manually process the order.



5.3 Server Plans

Navigate to **Administration -> Server Plans**, by default cast-control adds a variety of plans for you to either customise or delete. Choose a plan and select “Edit”.

If the option **Allow Extra Bandwidth** is enabled, customers will be able to purchase an additional data transfer allowance based on the total cost of the service for one month by default. Alternatively you can configure how much the customer will be charged per GB.

The Custom Billing Link is used if you wish to only have cast-control link directly to your third party billing software. Enter the full URL to your billing page to view or purchase this plan.

The Display “hidden” option can be used to hide the plan from new users when you wish provide a selected plan privately. The Disable option will disable new users from registering the plan however will allow current users to continue on the plan.

5.4 Reseller Plans

Navigate to **Administration -> Reseller Plans**, by default cast-control adds a variety of plans for you to either customise or delete. Choose a plan and select “Edit”.

The screenshot shows the 'Reseller Plans' configuration page. At the top, there are navigation tabs: 'Administration', 'Reseller Plans', and 'Modify'. The form contains several input fields and dropdown menus:

- Service Name (S):** Light 1
- Monthly Cost (C):** 35.00
- Display (D):** Display
- Custom Link (L):** (empty)
- Bandwidth (B):** 5 Mbps
- Data Transfer (T):** 409600 MB
- Max. Uptime (U):** 300 days
- Server Limit (S):** 1
- Proxy Support (P):** Disabled
- Monthly Limit (M):** 0
- Auton1 (A):** Disabled
- Per User Quota (Q):** 0
- Start Path (S):** default
- Display (D):** default

At the bottom of the form is a button labeled 'Save Plan Configuration'.

The options within the first row are similar to the server plans and relate directly to the plan configuration itself.

The options within the second row define bandwidth and data transfer limitations.

Specifying a bandwidth will limit the reseller to creating services that are not greater than 5mbps while they have not exceeded other limits.

Remember all limits here will directly relate to eachother, for instance if you set a server limit of 5 and a bandwidth limit of 5Mbps – the reseller might only be able to create 3 servers that equal the 5Mbps limit.



5.5 Transaction Management

Navigate to **Administration -> Transactions**; this page will list all invoices with transactions that ever occur between your customers and the payment gateways.

From this page you can view each specific detail of a transaction or remove the invoice/ transaction from the logs.

5.5 External Billing Software

It is possible to integrate third party billing software such as WHMCS or ClientExec using our API. Please review the documentation titled "**Billing System Integration**".

If you wish to integrate software not listed here or your own billing software, please contact our sales department and we will assist you.



6. Cluster Management

6.1 Overview

The Cluster Addon, currently free, was developed to allow expansion across multiple computer systems located anywhere within this world. The cluster is installed as a module within the Primary Cast-Control installation and can be configured so newly created servers will sprawl out across the networked clusters. It is also possible to manually specify or move a shoutcast server from a Cluster on the fly.

Each system connected to cast-control will be displayed from the Cluster Management interface, including the primary system.

6.2 Configuration

Navigate to **Administration -> Cluster Management**, from here you can configure, check or remove a cluster. Please note you should never require to modify or remove the main system as it relies on the configuration entries within **Administration -> Configuration**.

If any configuration entry is listed incorrectly, your cluster might not function correctly.

6.3 Systems Status

The check Systems Status will review and diagnose all connected systems.

This tool is often useful for detecting slow connections between your primary server and the cluster, often a slow connection will relate to the mysql database server.